

PLAINTIFF'S EXHIBIT

SH-1685

STATE - Guidelines
Texas Air Control Board - TACB
130302 067 CY+5/X/X
1988 0812.5.1

LAM 017559

SUBSTANCE	EFFECTS SCREENING LEVEL (ug/m3)	
	30-minute	annual
amyl mercaptan	0.1 (o)	*
amyl sulfide	0.2 (o)	*
aniline	100	10
anisidine, o-, p- isomers	5	0.5
antimony	5	0.5
antimony trioxide	5	0.5
ANTU (alpha naphthathiourea)	3	0.3
argon	simple asphyxiant	
arsenic and compounds	0.10	0.010
arsine	2	0.2
asbestos (fibers/cc)	.001	.0001
(ug/m3)	.03	.003
asphalt		
vapors	1000	100
particulate fraction	50	5
Atrazine	50	5
Azinphos-methyl	2	0.2

BB

barium, soluble compounds	5	0.5
barium sulfate	50	5
Benomyl	50	5
benzene	30	3
benzoyl peroxide	50	5
benzyl chloride	50	5
beryllium and compounds	see TACB Reg III	
biphenyl	2.3 (o)	1
bismuth telluride	50	5
selenium doped	50	5
borates, tetrasodium salts		
anhydrous, pentahydrate	10	1
decahydrate	50	5
boron oxide	50	5
boron tribromide	100	10
boron trifluoride	see TACB Reg III	
Bromacil	100	10
bromine**	7	0.7
bromine pentafluoride	see TACB Reg III	
bromoform	50	5
butadiene, 1,3-	220	22
butane	19000	1900
butoxyethanol	1200	120

* 30-minute average ESL less than annual average ESL

** disaster potential chemical

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discusses two applicability tests that determine if proposed construction is major and, therefore, subject to PSD review. Because major modifications result from emission changes at existing major stationary sources, the primary step in assessing the applicability of both proposed new sources and proposed modifications focuses on the source.

* Table A-2. REGULATED POLLUTANTS

Criteria pollutants	Noncriteria pollutants
Carbon monoxide	Asbestos
Nitrogen oxides	Beryllium
Sulfur dioxide	Mercury
Particulate Matter	Vinyl Chloride
Ozone (regulate VOC)	Fluorides
Lead	Sulfuric acid mist
	Hydrogen sulfide (H ₂ S)
	Total reduced sulfur (including H ₂ S)
	Reduced sulfur compounds (including H ₂ S)

A source, whether a proposed new source or an existing source, is considered major if: (1) it is one of the 28 named source categories listed in Section 169 of the Act and emits or has the potential to emit 100 tons per year or more of any pollutant regulated by the Act or (2) it is an unlisted stationary source that emits or has the potential to emit 250 tons per year or more of any pollutant regulated by the Act. The 28 named source categories are listed in Table A-3.

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Table A-4. SIGNIFICANT EMISSION RATES^a

Pollutant	Emissions Rate (tons/yr)
Carbon monoxide	100
Nitrogen oxides	40
Sulfur dioxide	40
Particulate matter	25
Ozone (VOC)	40 (of VOCs)
Lead	0.6
Asbestos	0.007
Beryllium	0.0004
Mercury	0.1
Vinyl chloride	1
Fluorides	3
Sulfuric acid mist	7
Hydrogen sulfide (H ₂ S)	10
Total reduced sulfur (including H ₂ S)	10
Reduced sulfur compounds (including H ₂ S)	10
Any other pollutant regulated under the Clean Air Act	Any emission rate
Each regulated pollutant	Emission rate that causes an air quality impact of 1 µg/m ³ or greater (24-hour basis) in any Class I area located within 10 km of the source

^aExtracted from 40 CFR 52.21(b)(23).

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Table 3. SIGNIFICANT EMISSION RATES^a

Pollutant	Emissions Rate (tons/yr)
Carbon monoxide	100
Nitrogen oxide	40
Sulfur dioxide	40
Particulate matter	25
Ozone (VOC)	40 (of VOCs)
Lead	0.6
Asbestos	0.007
Beryllium	0.0004
Mercury	0.1
Vinly chloride	1
Fluorides	3
Sulfuric acid mist	7
Hydrogen sulfide (H ₂ S)	10
Total reduced sulfur (including H ₂ S)	10
Reduced sulfur compounds (including H ₂ S)	10
Any other pollutant regulated under the Clean Air Act	Any emission Rate

NOTE: Special criteria for sources within 10 kilometers of a Class I area:

1. Any pollutants regulated by the Clean Air Act, and (2) any increase that affects the Class I area by greater than 1 $\mu\text{g}/\text{m}^3$ (24-hour average).

^aExtracted from 40 CFR 52.21(b)(23).